GRADE AND TONNAGE MODEL OF HOT-SPRING Au-Ag

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COMMENTS This model applies to the descriptive model for hot-spring Au-Ag (No. 25a) by Berger (1986b). It is a modified version of a previously published report (Berger and Singer, 1987). Estimated premining tonnages and grades from the deposits listed in table 6 were used to construct the model. Where several different estimates were available for a deposit, the estimated tonnage associated with lowest cutoff grades was used.

No significant correlations between grades and tonnages were observed. See appendix B for locality abbreviations. See introduction for explanation of the grade and tonnage model as shown in figures 8–10.

Table 6. Grades and tonnages of hot-spring Au-Ag deposits

[Tonnage in million metric tons; gold (Au) and silver (Ag) grades in grams per metric ton. Country and state abbreviations explained in app. B]

Deposit	Country	Tonnage	Au grade	Ag grade
Atlanta	USNV	1.0	2.742	54.8
Borealis	USNV	4.17	2.571	17.14
Buckhorn	USNV	4.54	1.51	20.05
Crowfoot	USNV	22.68	.857	0
Fire Creek	USNV	.3174	2.057	0
Florida Canyon	USNV	35.87	.788	0
Hasbrouck	USNV	11.7	1.0	20.2
Hog Ranch	USNV	30	1.767	.088
Ivanhoe	USNV	75.73	1.166	0
Lewis	USNV	9.07	1.37	0
McLaughlin	USCA	18.1	5.48	0
Mother Lode	USNV	4.44	1.851	0
Paradise Peak	USNV	16.48	2.894	80.18
Rawhide	USNV	35.46	1.135	16.11
Round Mtn.	USNV	243.8	1.136	2.113
Sleeper	USNV	47.41	1.664	5.0
Wind Mtn.	USNV	13.61	.72	14.4

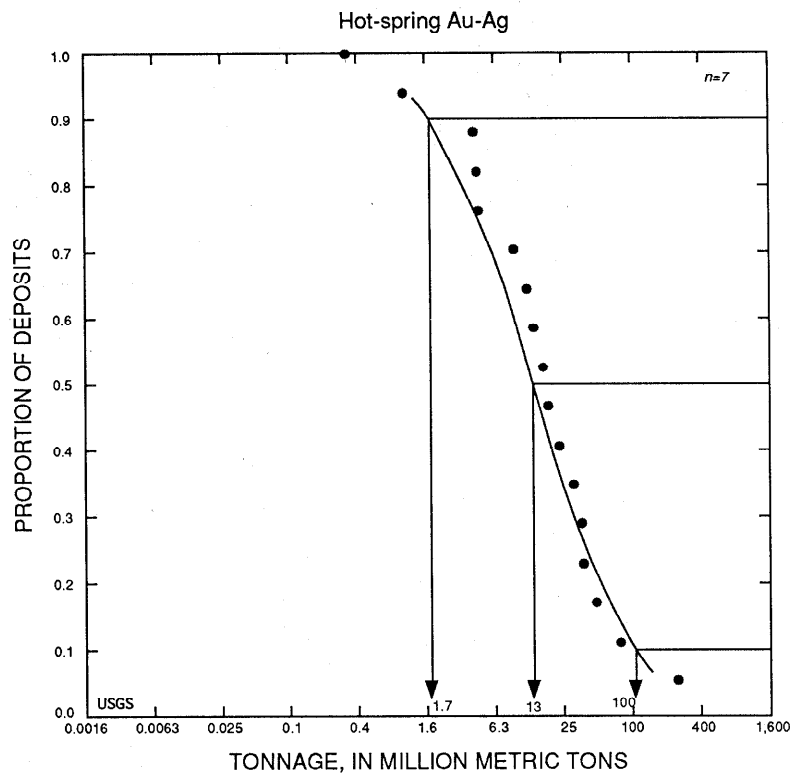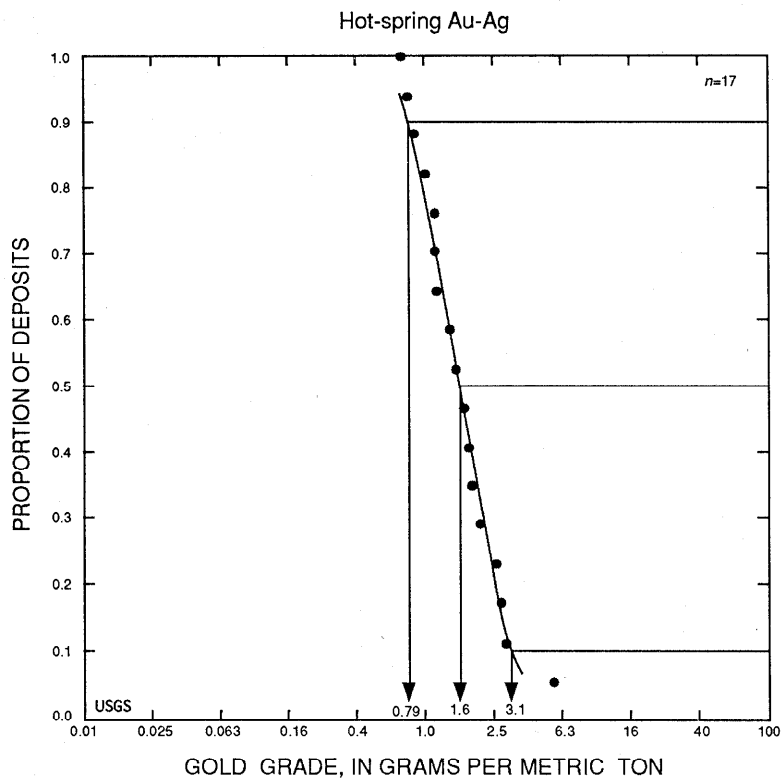**Figure 8.** Tonnages of hot-spring Au-Ag deposits.

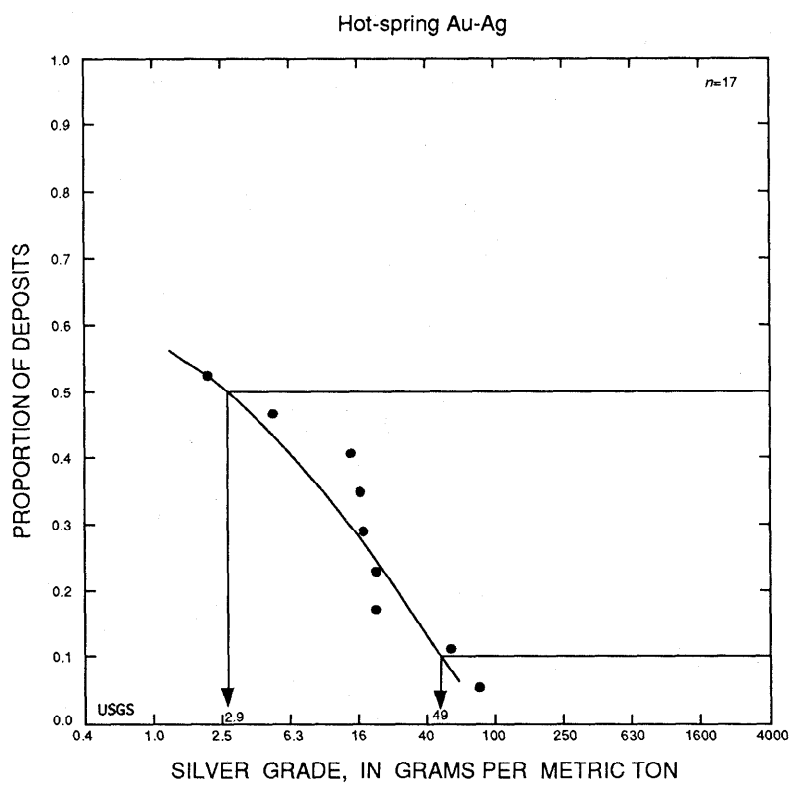**Figure 9.** Gold grades of hot-spring Au-Ag deposits.

Hot-spring Au-Ag

Figure 10. Silver grades of hot-spring Au-Ag deposits. (Silver grade of 0.088 g/mt for Hog Ranch not shown.)